

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled).

Claim ~~2~~ (currently amended): An audio and/or video data recording and reproducing apparatus, comprising:

a receiving means for receiving an input data stream having command data and a plurality of channels ~~of including~~ at least one channel of audio data and one channel video data ~~being time division~~ multiplexed in a predetermined order;

a demultiplexing means for demultiplexing said command data and each one of said plurality of channels ~~from of~~ the received input data stream;

a plurality of recording means for recording the plurality of demultiplexed ~~plurality of~~ channels, each one of said plurality of recording means configured to record exactly one of said plurality of channels ~~each one~~ so that random access is possible, wherein one of said plurality of recording means is configured to record exactly one of said plurality of channels;

a reproducing means for reproducing the recorded ~~each one~~ plurality of channels from said plurality of recording means based, at least in part, on said demultiplexed command data; and

a multiplexing means for multiplexing the reproduced ~~each one~~ plurality of channels in said predetermined order and generating an output data stream,

wherein each of said plurality of recording means adopts a mirror configuration having a plurality of recording apparatuses for recording the same audio and/or video data.

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Claim 3 (currently amended): An audio and/or video data recording and reproducing apparatus, comprising:

a receiving means for receiving an input data stream having command data and a plurality of channels of at least one channel of audio data and one channel of video data being multiplexed in a predetermined order;

DL a demultiplexing means for demultiplexing said command data and each one of said plurality of channels from the received input data stream;

a plurality of recording means for recording the demultiplexed ~~each one~~ plurality of channels so that random access is possible, wherein one of said plurality of recording means is configured to record exactly one of said plurality of channels;

a reproducing means for reproducing the recorded ~~each one~~ plurality of channels from said plurality of recording means based on said demultiplexed command data; and

a multiplexing means for multiplexing the reproduced ~~each one~~ plurality of channels in said predetermined order and generating an output data stream,

wherein each of said plurality of recording means adopts an array configuration in which a plurality of recording apparatuses are connected in parallel.

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Claim 4 (currently amended): An audio and/or video data recording and reproducing apparatus comprising:

a receiving means for receiving an input data stream having command data and a plurality of channels of at least one channel of audio data and one channel of video data being multiplexed in a predetermined order;

a demultiplexing means for demultiplexing said command data and each one of said plurality of channels from the received input data stream;

a plurality of recording means for recording the demultiplexed ~~each one~~ plurality of channels so that random access is possible, wherein one of said plurality of recording means is configured to record exactly one of said plurality of channels;

7 a reproducing means for reproducing the recorded ~~each one~~ plurality of channels from said plurality of recording means;

a multiplexing means for multiplexing the reproduced ~~each one~~ plurality of channels in said predetermined order and generating an output data stream; and

a recording and reproduction control means for controlling a recording operation of said plurality of recording means and a reproduction operation of said reproducing means based on control data, wherein said input data stream includes multiplexed control data, ~~and~~

wherein said demultiplexing means further demultiplexes said, control data from the received input data stream

wherein said recording and reproducing control means controls said recording means recording said demultiplexed channels using said demultiplexed command data, and

wherein said recording and reproducing control means controls said reproducing means reproducing the recorded plurality of channels based on said demultiplexed command data.

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Claim ~~3~~ (previously amended): An audio and/or video data recording and reproducing apparatus according to claim ~~4~~ <sup>3</sup>, wherein:

at least one of said plurality of recording means further performs said recording operation in synchronization with a synchronization signal of the received input data stream; and  
said reproducing means further performs said reproduction operation in synchronization with said synchronization signal.

<sup>5</sup>  
Claim ~~6~~ (previously amended): An audio and/or video data recording and reproducing apparatus according to claim <sup>4</sup>~~5~~, further comprising:

a plurality of audio and/or video data recording and reproducing apparatuses being connected in parallel, wherein said input data stream and said output data stream are input and output among said plurality of audio and/or video data recording and reproducing apparatuses.

Claim 7 (canceled).

<sup>6</sup>  
Claim ~~8~~ (currently amended): An audio and/or video data recording and reproduction method, comprising the steps of:

receiving an input data stream having command data and a plurality of channels of at least one of audio data and one channel of video data being multiplexed in a predetermined order;

demultiplexing said command data and each one of said plurality of channels from the received input data stream;

recording the demultiplexed ~~each one~~ plurality of channels so that random access is possible, wherein one of said plurality of channels is recorded on exactly one of a plurality of recording means for recording;

reproducing the recorded ~~each one~~ plurality of channels from said plurality of recording means based on said demultiplexed command data; and

multiplexing the reproduced ~~each one~~ plurality of channels in said predetermined order and generating an output data stream,

wherein the demultiplexed ~~each one~~ plurality of channels is duplicated on more than one recording medium to perform backup of the demultiplexed ~~each one~~ plurality of channels.

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Claim ~~9~~ (previously amended): An audio and/or video data recording and reproduction method according to claim ~~8~~ <sup>6</sup>, wherein:

the demultiplexed each one of said plurality of channels is recorded in parallel with the rest of said plurality of channels on a plurality of recording media.

Claims 10-11 (canceled).

8  
Claim ~~12~~ (currently amended): An audio and/or video data recording and reproducing apparatus, comprising:

an input circuit configured to receive an input data stream having command data and a plurality of channels of at least one channel of audio data and one channel of video data being multiplexed in a predetermined order;

a data controller circuit configured to demultiplex ~~each one~~ of said plurality of channels from the received input data stream;

a plurality of disk drives configured to record the demultiplexed ~~each one~~ plurality of channels so that random access is possible, wherein one of said plurality of disk drives is

configured to record exactly one of said plurality of channels, and wherein at least one of said plurality of disk drives is further configured to reproduce the recorded each one from said plurality of disk drives based on said demultiplexed command data; and

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a multiplexer circuit configured to multiplex the reproduced ~~each one of~~ said plurality of channels in said predetermined order and to generate an output data stream, wherein each of said plurality of disk drives adopts a mirror configuration having a plurality of recording apparatuses for recording the same audio and/or video data.

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Claim ~~13~~ (currently amended): An audio and/or video data recording and reproducing apparatus, comprising:

an input circuit configured to receive an input data stream having command data and a plurality of channels of at least one channel of audio data and one channel of video data being multiplexed in a predetermined order;

a data controller circuit configured to demultiplex said command data and each one of said plurality of channels from the received input data stream;

a plurality of disk drives configured to record the demultiplexed ~~each one~~ plurality of channels so that random access is possible, wherein one of said plurality of disk drives is configured to record exactly one of said plurality of channels, and wherein at least one of said plurality of disk drives is further configured to reproduce the recorded each one from said plurality of disk drives based on demultiplexed command data; and

a multiplexer circuit configured to multiplex the reproduced each one in said predetermined order and to generate an output data stream, wherein each of said plurality of disk drives adopts an array configuration in which a plurality of recording apparatuses are

connected in parallel.

Claim <sup>10</sup>1/4 (currently amended): An audio and/or video data recording and reproducing apparatus comprising:

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an input circuit configured to receive an input data stream having command data and a plurality of channels of at least one of audio data and one channel of video data being multiplexed in a predetermined order;

a data controller circuit configured to demultiplex said command data and each one of said plurality of channels from the received input data stream;

a plurality of disk drives configured to record the demultiplexed each one so that random access is possible, wherein one of said plurality of disk drives is configured to record exactly one of said plurality of channels, and wherein at least one of said plurality of disk drives is further configured to reproduce the recorded each one from said plurality of disk drives;

a multiplexer circuit configured to multiplex the reproduced each one in said predetermined order and to generate an output data stream; and

a control circuit configured to control a recording operation of said plurality of disk drives and a reproduction operation of said at least one disk drive based on control data,

wherein said input data stream includes multiplexed control data, ~~and~~ wherein said data controller circuit is further configured to demultiplex said control data from the received input data stream; and

wherein said control circuit controls the recording operations and reproducing operation based on said demultiplexed control data.

<sup>11</sup>  
Claim ~~15~~ (previously amended): An audio and/or video data recording and reproducing apparatus according to claim <sup>10</sup>~~14~~, wherein:

one or more of said plurality of disk drives are further configured to perform said recording operation in synchronization with a synchronization signal of the received input data stream; and

said at least one disk drive is further configured to perform said reproduction operation in synchronization with said synchronization signal.

<sup>12</sup>  
Claim ~~16~~ (previously amended): An audio and/or video data recording and reproducing apparatus according to claim <sup>11</sup>~~18~~, further comprising:

a plurality of audio and/or video data recording and reproducing apparatuses being connected in parallel, wherein said input data stream and said output data stream are input and output among said plurality of audio and/or video data recording and reproducing apparatuses.

Claims 17-18 (canceled).